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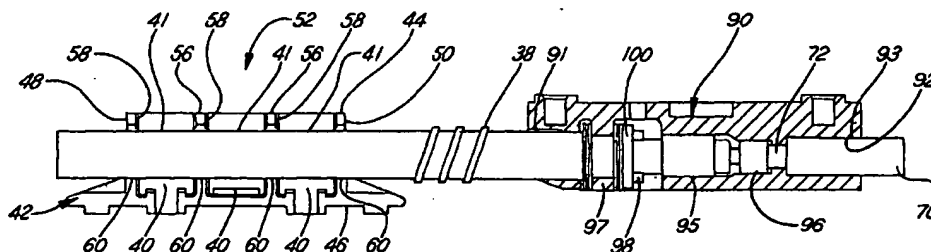
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(54) Title: POWER SEAT TRACK HAVING A FLEXIBLE SUPPORT ASSEMBLY FOR A LEAD SCREW



(57) Abstract: A powered track assembly (20) is provided for allowing selective forward and rearward adjustment of a seat assembly (10) along an interior floor of an automotive vehicle. The upper track (24) is fixedly secured to a bottom portion of the seat assembly (10). A rigid shaft (32) having a generally continuous helical thread (38) is rotatably supported by the upper track (24). A plurality of nuts (40) is threadingly engaged with the shaft (32). A cage (42) having a plurality of compartments (58) is fixedly secured to the lower track (22). Each compartment (58) supports one nut (40) to allow relative rotational movement of the rigid shaft (32) relative to the nuts (40). The nuts (40) are allowed a predetermined amount of movement within the respective compartments (58) to prevent binding between the nuts (40) and the rigid shaft (32) due to relative lateral or vertical movement between the upper and lower tracks.

INTERNATIONAL SEARCH REPORT

International Application No.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60N2/02 B60N2/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	page 6, line 6 - page 9, line 30; claims 1-9; figures 3-7	4, 6-13
X ✓	US 3 043 552 A (ALBERT J. COLAUTTI) 10 July 1962 (1962-07-10)	1, 3, 15
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	column 5, line 4 - column 7, line 6; figures 1, 5, 6, 8	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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